

APPLICATION FOR PERMIT  
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office DEC 01 1993

Returned to applicant for correction \_\_\_\_\_

Corrected application filed \_\_\_\_\_

Map filed FEB 04 1991 under 55684T

The applicant Beowawe Geothermal Power Company

5250 S. Virginia St. Suite #304, of Reno,  
Street and No. or P.O. Box No. City or Town

Nevada 89502, hereby make application for permission to appropriate the public  
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a

copartnership or association, give names of members.) A copartnership of Oxbow Power

of Beowawe and Crescent Valley Energy Company

1. The source of the proposed appropriation is underground  
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 5 second-feet  
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet \_\_\_\_\_

3. The water to be used for geothermal power  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated \_\_\_\_\_

(b) Stockwater, state number and kinds of animals to be watered \_\_\_\_\_

(c) Other use (describe fully under No. 12. "Remarks") \_\_\_\_\_

(d) Power:

(1) Horsepower developed \_\_\_\_\_

(2) Point of return of water to stream \_\_\_\_\_

5. The water is to be diverted from its source at the following point within the SE 1/4, SE 1/4  
Describe as being within a 40-acre subdivision of public

section 13 T.31 N., R 47 E., MDM or at a point from which the  
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

Southeast corner of said Section 13 bears S.44° 00'E, a distance  
of 1110 feet (77-13)

6. Place of use within all of T.31N., R.47E., and T.31N.,  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

R.48E., M.D.M.

7. Use will begin about January 1 and end about December 31, of each year.  
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Geothermal production well to depth  
State manner in which water is to be diverted, i.e. diversion structure, ditches and  
of 8205' and piping to existing geothermal power plant  
flumes, drilled well with pump and motor, etc.

9. Estimated cost of works..... \$2 Million
10. Estimated time required to construct works..... Well completed to 8205' with 16" casing  
If well completed, describe works.  
and 9 5/8" liner
11. Estimated time required to complete the application of water to beneficial use..... six months
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use:  
Geothermal fluids from this application will becomingled with  
fluids produced under Certificates 13729, 13734, 13741, and 13742  
to supply the Beowawe Geothermal Power Plant. Consumptive use  
will be approximately 20% of fluids withdrawn. The remainder  
will be reinjected. Use map supporting application 55686  
s/ Dick Benoit  
By 5250 S. Virginia St. Suite 304  
Reno, Nevada 89502
- Compared jv/ gkl jr/bk

Protested 1/31/94 by Pershing County Water Conservation District to Nevada:

**APPROVAL OF STATE ENGINEER**

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

(CONTINUED ON PAGE 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 5.0 cubic feet per second

Work must be prosecuted with reasonable diligence and be completed on or before May 26, 1996

Proof of completion of work shall be filed before June 26, 1996

Application of water to beneficial use shall be filed on or before May 26, 1998

Proof of the application of water to beneficial use shall be filed on or before June 26, 1998

Map in support of proof of beneficial use shall be filed on or before N/A

**APR 09 1995**

Completion of work filed.....

Proof of beneficial use filed.....

Cultural map filed.....

Certificate No. .... Issued.....

IN TESTIMONY WHEREOF, I, R. MICHAEL TURNIPSEED, P.E.  
State Engineer of Nevada, have hereunto set my hand and the seal of my

office, this 26th day of May,

A.D. 1995

*[Signature]*  
State Engineer

## (PERMIT TERMS CONTINUED)

A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 3,620.0 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 20% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

The total combined withdrawal of Geothermal Fluid under Permit 27959, Certificate 13729; Permit 48737, Certificate 13734; Permit 55686, Certificate 13741; Permit 55687, Certificate 13742 and Permit 59587 shall not exceed 9,576.6 acre-feet annually.

The total combined consumption of Geothermal Fluid under Permit 27959, Certificate 13729; Permit 48737, Certificate 13734; Permit 55686, Certificate 13741; Permit 55687, Certificate 13742 and Permit 59587 shall not exceed 1,915.29 acre-feet annually.

This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

